

**BILL OF MATERIALS  
SKEWED STRUCTURES - ONE SLAB**

BRIDGE APPROACH WIDTH	EPOXY COATED REINFORCING BARS			
	LONGIT. BARS, AREA (A)		TRANSV. BARS, AREA (A)	
	NO.	SIZE x LGTH. OR MARK	NO.	SIZE
24'-0	24	491	21	#4
	48	591	11	#5
25'-0	26	491	21	#4
	51	591	11	#5
25'-0	26	491	21	#4
	52	591	11	#5
27'-0	28	491	21	#4
	55	591	11	#5
29'-0	30	491	21	#4
	59	591	11	#5
31'-0	32	491	21	#4
	63	591	11	#5
33'-0	34	491	21	#4
	67	591	11	#5
35'-0	36	491	21	#4
	71	591	11	#5
37'-0	38	491	21	#4
	75	591	11	#5
39'-0	40	491	21	#4
	79	591	11	#5
40'-0	41	491	21	#4
	81	591	11	#5
42'-0	42	491	42	#4 *
	83	591	22	#5 **
44'-0	46	491	42	#4 *
	91	591	22	#5 **

\* Bars lapped 1'-7 at centerline of roadway if bar exceeds 40'-0.  
 \*\* Bars lapped 2'-0 at centerline of roadway if bar exceeds 40'-0.

**NOTES**

1. The Bill of Materials shall be used to determine the longitudinal bar requirements in Area (A) shown on Standard Drawing E 609-RCBA-04 for skewed structures.
2. See the plans for longitudinal bars required in Area (B), all transverse bars, total mass of steel and bridge approach area for skewed structures.
3. All reinforcing bars shall be epoxy coated.

INDIANA DEPARTMENT OF TRANSPORTATION	
<p align="center"><b>REINFORCED CONCRETE BRIDGE APPROACH</b></p> <p align="center"><b>MARCH 2004</b></p>	
STANDARD DRAWING NO. E 609-RCBA-06	
	/s/ Richard L. VanCleave      3-01-04 DESIGN STANDARDS ENGINEER      DATE
	/s/ Richard K. Smutzer      3-01-04 CHIEF HIGHWAY ENGINEER      DATE
DESIGN STANDARDS ENGINEER	